

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 74

Form C122-A
 Revised 1-1-66

POOL NAME Blanco Mesaverde	POOL SLOPE n = .75	FORMATION Mesaverde	COUNTY San Juan
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COMPANY Universal Resources Corp.			WELL NAME AND NUMBER State #1		
UNIT LETTER N	SECTION 16	TOWNSHIP 32N	RANGE 12W	PURCHASING PIPELINE El Paso Natural Gas Co.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 4850'	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.650	TOP - TUBING PERF. - FEET 4650'
GAS PAY ZONE FROM 4584' TO 4736'		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .699	GRAVITY X LENGTH 3250
DATE OF FLOW TEST FROM 4-24-74 TO 5-2-74			DATE SHUT-IN PRESSURE MEASURED 5-9-74		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 720	(b) Flowing Tubing Pressure (DWt) 662	(c) Flowing Meter Pressure (DWt) 294	(d) Flow Chart Static Reading 7.7 296	(e) Meter Error (Item c - Item d) -2	(f) Friction Loss (a - c) or (b - c) +368	(g) Average Meter Pressure (Integr.) 299
(h) Corrected Meter Pressure (g + e) 297	(i) Avg. Wellhead Press. $P_t = (h + f)$ 662	(j) Shut-in Casing Pressure (DWt) 899	(k) Shut-in Tubing Pressure (DWt) 898	(l) P_c = higher value of (j) or (k) 899	(m) Del. Pressure $P_d = \frac{.80}{.719} \% P_c$ 719	(n) Separator or Dehydrator Pr. (DWt) for critical flow only 625

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 788	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9932	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9966	Corrected Volume Q = 785 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.210	$(F_c Q_m)^2 (1000)$ 166,955	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 35,061	P_t^2 438,244	$P_w^2 = P_t^2 + R^2$ 473,305	$P_w = \sqrt{P_w^2}$ 688
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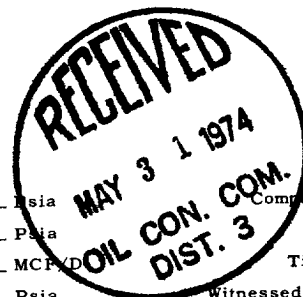
DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{785}{\left[\frac{291,240}{334,896} \right]^n \left(.8696 \right)^n .75} = \frac{.9005}{.9005} = 707 \text{ MCF/D}$$

REMARKS: **Critical flow exists
Initial Test**

SUMMARY

Item h **297** Psia
 P_c **899** Psia
 Q **785** MCF/D
 P_w **688** Psia
 P_d **719** Psia
 D **707** MCF/D



Universal Resources Corp.

By Martine J. Kuller
 Title **Agent**

Witnessed By _____
 Company _____

Ok

